

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Thomas Lloyd Credelle.	)	Confirmation No. 5279
	)	
Application No.: 10/696,236	)	Group Art Unit: 2629
	)	
Filed: October 28, 2003	)	Examiner: MOON, Seokyun
	)	
For: IMAGE DEGRADATION	)	
CORRECTION IN NOVEL LIQUID	)	
CRYSTAL DISPLAYS WITH	)	
SPLIT BLUE SUBPIXELS	)	
	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97(c) and 1.98(d)

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents listed on the SB 08A and SB 08B forms accompanying this letter. This Information Disclosure Statement is being filed after receipt of a first Office Action on the merits of the claims. Under the provisions of 37 C.F.R. § 1.97(c), the fee under 37 CFR 1.17(p) is required and payment in the amount of \$180.00 accompanies the filing of this Information Disclosure Statement.

The subject application is a continuation-in-part application of U.S. Patent Application 10/456,839 (the '839 application) filed on June 6, 2003, which is relied on for an earlier effective filing date under 35 U.S.C. § 120. Under the provisions of 37 C.F.R. § 1.98(d)(1) and (2), copies of the listed foreign patent documents and non-patent literature documents previously submitted in the '839 application are not

required to be submitted when the Information Disclosure Statements submitted in the '839 application comply with paragraphs (a) through (c) of 37 C.F.R. § 1.98. Applicants have verified that each of the documents listed on the accompanying SB 08A and SB 08B forms was listed on one or more IDS SB 08A and SB 08B forms submitted in the '839 application, and copies of the listed foreign patent documents and non-patent literature documents were previously submitted in the '839 application. Applicants are submitting copies of a first Office Action and a Response to that Office Action in the '839 application, as listed on the accompanying SB08B forms.

Applicants direct the Examiner's attention to the following co-owned and copending applications, as recited in paragraph [02] of the specification. In the following table "NF" indicates "non-final" and OA indicates "Office Action."

Application Number	Examiner	Art Unit	Attorney Docket No.	Current Status
10/455,925	XIAO, Ke	2629	8831.0050	Final Office Action Mailed
10/455,931	LAO, Lun Yi	2629	8831.0051	NF Office Action Mailed
10/455,927	OSORIO, Ricardo	2629	8831.0052	Response to NF OA Filed
10/456,806	AMADIZ, Ricardo	2629	8831.0053	Final Office Action Mailed
10/456,838	XIAO, Ke	2629	8831.0054	NF Office Action Mailed

Applicants have further listed, on the accompanying SB 08A forms, the primary references that were cited in rejections made under 35 U.S.C. §§ 102 and 103 in each of the Office Actions in the related cases. Because this IDS is extensive, these references are also listed below as a courtesy to the Examiner.

US 6,552,706	Ikeda	US 2001/0015716	Kim
US 5,949,396	Lee	US 6,342,876	Kim
US 5,767,829	Verhulst	US 2001/0017607	Kwon
US 5,754,163	Kwon	US 6,335,719	An

US 6,590,555	Su	US 5,739,802	Mosier
US 4,800,375	Silverstein	US 6,738,204	Chuang
US 5,818,405	Eglit	US 4,773,737	Yokono
US 2003/0146893	Sawabe	US 2001/0052897	Nakano
US 2004/0094766	Lee	US 6,219,019	Hasegawa
US 6,088,050	Ng	EP 0,322,106	Gibbons
US 4,781,438	Noguchi	JP 6-324649	Kobayashi
US 5,113,274	Takahashi		

Applicant respectfully requests that the Examiner consider all of the documents listed on the SB 08A and 08B forms and indicate that they were considered by making the appropriate notations on the attached forms, and returning the initialed and signed forms with the next communication in this application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies any documents as prior art against any claims in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,  
Clairvoyante, Inc

By: /Judith C. Bares/  
Judith C. Bares Reg. No. 35,824

Dated: August 2, 2006

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**INFORMATION DISCLOSURE  
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**Complete if Known**

Application Number	10696,236
Filing Date	October 28, 2003
First Named Inventor	CRIDELLE, Thomas Lloyd
Art Unit	2629
Examiner Name	MOON, Seokyan
Attorney Docket Number	8831.0056-01

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,971,065	07-20-1979	Bayer	
		US-4,353,062	10-05-1982	Lortelje et al	
		US-4,642,619	02-10-1987	Togashi	
		US-4,651,148	03-17-1987	Takeda et al	
		US-4,773,737	09-27-1988	Yokono et al	
		US-4,781,438	11-01-1988	Noguchi	
		US-4,800,375	01-24-1989	Silverstein et al	
		US-4,853,592	08-01-1989	Stratham	
		US-4,874,986	10-17-1989	Menn et al	
		US-4,886,343	12-12-1989	Johnson	
		US-4,908,609	03-13-1990	Stroomeer	
		US-4,920,409	04-24-1990	Yamagishi	
		US-4,965,565	10-23-1990	Noguchi	
		US-5,006,840	04-09-1991	Hamada et al	
		US-5,052,785	10-01-1991	Takimoto et al	
		US-5,097,297	03-17-1992	Nakazawa	
		US-5,113,274	05-12-1992	Takahashi et al	
		US-5,144,288	09-01-1992	Hamada et al	
		US-5,184,114	02-02-1993	Brown	

**FOREIGN PATENT DOCUMENTS**

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		JP 2004-004822	01-08-2004	Ko et al		Full English
		WO 2004/021323 A2	03-11-2004	Rho et al		
		WO 2004/027503 A1	04-01-2004	Roh et al		
		WO 2004/086128 A1	10-07-2004	Kim et al		
		WO 2005/050296 A1	06-02-2005	Yang et al		
		EP 0 322 106 A2	06-28-1989	Gibbons		

Examiner Signature	Date Considered
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Art Unit	2629
Examiner Name	MOON, Seokyan
Attorney Docket Number	8831.0056-01

Sheet 2 of 13

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		US-5,191,451	03-02-1993	Katayama et al	
		US-5,196,924	03-23-1993	Lumelsky et al	
		US-5,311,205	05-10-1994	Hamada et al	
		US-5,311,337	05-10-1994	McCartney, Jr.	
		US-5,315,418	05-24-1994	Sprague et al	
		US-5,334,996	08-02-1994	Tanigaki et al	
		US-5,341,153	08-23-1994	Benzschawel et al	
		US-5,398,066	03-14-1995	Martinez-Unegas et al	
		US-5,436,747	07-25-1995	Suzuki	
		US-5,438,649	08-01-1995	Ruetz	
		US-5,448,652	09-05-1995	Vaidyanathan et al	
		US-5,450,216	09-12-1995	Kasson	
		US-5,459,595	10-17-1995	Ishiguro	
		US-5,481,503	10-24-1995	Deffontaines et al	
		US-5,485,293	01-16-1996	Robinder	
		US-5,535,028	07-09-1996	Bae et al	
		US-5,563,621	10-08-1996	Silsby	
		US-5,579,027	11-26-1996	Sakurai et al	
		US-5,646,702	07-08-1997	Akimwande et al	

**FOREIGN PATENT DOCUMENTS**

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		EP 1 381 020 A2	01-14-2004	Thielemans et al		
		DE 199 23 527 (w/ trans.)	11-23-2000	Bohlendorf		Full English
		DE 201 09 354 U1	09-13-2001	Giantplus		
		DE 299 09 537 U1	10-14-1999	Phan		
		JP 02-983027 B2	04-03-1991	Ishitani		Abstract
		JP 03-78390	04-03-1991	Ishitani		Full English

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First Named Inventor	CREDELLE, Thomas Lloyd
Art Unit	2629
Examiner Name	MOON, Seokyeon
Attorney Docket Number	8831.6056-01

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**U.S. PATENT DOCUMENTS**

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		US-5,648,793	07-15-1997	Chen	
		US-5,739,802	04-14-1998	Mosier	
		US-5,754,163	05-19-1998	Kwon	
		US-5,754,226	05-19-1998	Yamada et al	
		US-5,767,829	06-16-1998	Verhulst	
		US-5,808,594	09-15-1998	Tsubiyama et al	
		US-5,818,405	10-06-1998	Eglit et al	
		US-5,949,396	09-07-1999	Lee	
		US-5,949,496	09-07-1999	Kim	
		US-5,971,546	10-26-1999	Park	
		US-6,005,692	12-21-1999	Stahl	
		US-6,008,868	12-28-1999	Silverbrook	
		US-6,037,719	03-14-2000	Yap et al	
		US-6,064,363	05-16-2000	Kwon	
		US-6,069,670	05-30-2000	Borer	
		US-6,088,050	07-11-2000	Ng	
		US-6,097,367	08-01-2000	Kuriwaki et al	
		US-6,108,122	08-22-2000	Ulrich et al	
		US-6,144,352	11-07-2000	Matsuda et al	

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		JP 06-102503	04-15-1994	Yao		Full English
		JP 08-202317	08-09-1996	Moriyoshi		Full English
		JP 11-282008	10-15-1999	Iwami		Full English
		JP 60-107022	06-12-1985	Hamada		Abstract

Examiner Signature	Date Considered
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Sheet 4 of 13

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		US-6,147,664	11-14-2000	Hansen	
		US-6,151,001	11-21-2000	Anderson et al	
		US-6,160,535	12-12-2000	Park	
		US-6,188,385 B1	02-13-2001	Hill et al	
		US-6,219,019 B1	04-17-2001	Hasegawa	
		US-6,219,025 B1	04-17-2001	Hill et al	
		US-6,225,967 B1	05-01-2001	Hebiguchi	
		US-6,225,973 B1	05-01-2001	Hill et al	
		US-6,236,390 B1	05-22-2001	Hitchcock	
		US-6,239,783 B1	05-29-2001	Hill et al	
		US-6,243,055 B1	06-05-2001	Ferguson	
		US-6,243,070 B1	06-05-2001	Hill et al	
		US-6,278,434 B1	08-21-2001	Hill et al	
		US-6,326,981 B1	12-04-2001	Mori et al	
		US-6,327,008 B1	12-04-2001	Fujiyoshi	
		US-6,332,030 B1	12-18-2001	Manjunath et al	
		US-6,335,719 B1	01-01-2002	An et al	
		US-6,342,876 B1	01-29-2002	Kim	
		US-6,348,929 B1	02-19-2002	Acharya et al	

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		US-6,377,262 B1	04-23-2002	Hitchcock et al	
		US-6,392,717 B1	05-21-2002	Kunzman	
		US-6,393,145 B2	05-21-2002	Betrissey et al	
		US-6,388,644 B1	05-14-2002	De Zwart et al	
		US-6,396,505 B1	05-28-2002	Lui et al	
		US-6,441,867 B1	08-27-2002	Daly	
		US-6,469,766 B1	10-22-2002	Waterman et al	
		US-6,545,653 B1	04-08-2003	Takahara et al	
		US-6,552,706 B1	04-22-2003	Ikedo et al	
		US-6,570,584 B1	05-27-2003	Cok et al	
		US-6,590,555 B1	07-08-2003	Su et al	
		US-6,624,828 B1	09-23-2003	Dresevic et al	
		US-6,661,429 B1	12-09-2003	Phan	
		US-6,674,430 B1	01-06-2004	Kaufman et al	
		US-6,674,436 B1	01-06-2004	Dresevic et al	
		US-6,680,761 B1	01-20-2004	Greene et al	
		US-6,727,878 B1	04-27-2004	Okuzono et al	
		US-6,738,204 B1	05-18-2004	Chuang et al	
		US-6,750,875 B1	06-15-2004	Keely, Jr. et al	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/696,236
Filing Date	October 28, 2003
First Named Inventor	CREDELLE, Thomas Lloyd
Art Unit	2629
Examiner Name	MOON, Seokyan
Attorney Docket Number	8831.0056-01

Sheet 6 of 13

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US-6,995,346 B2	02-07-2006	Johannesson et al	
		US-6,833,890 B2	12-21-2004	Hong et al	
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Application Number	10696236
Filing Date	October 28, 2003
First Named Inventor	CRIDELLE, Thomas Lloyd
Art Unit	2629
Examiner Name	MOON, Seokyan
Attorney Docket Number	8831.0056-01

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Application Number	10/696,236
Filing Date	October 28, 2003
First Named Inventor	CREDELLE, Thomas Lloyd
Art Unit	2629
Examiner Name	MOON, Seokyun
Attorney Docket Number	8831 0056-01

Sheet	8	of	13
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## U.S. PATENT DOCUMENTS

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	9	of	13
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**Complete if Known**

Application Number	10/696,236
Filing Date	October 28, 2003
First Named Inventor	CREDELLE, Thomas Lloyd
Art Unit	2629
Examiner Name	MOON, Seokyun
Attorney Docket Number	8831 0056-01

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				Application Number	10/696,236	
				Filing Date	October 28, 2003	
				First Named Inventor	CREDELLE, Thomas Lloyd	
				Art Unit	2629	
				Examiner Name	MOON, Seokyun	
Sheet	10	of	13	Attorney Docket Number		8831.0056-01

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		Application Number	10/696,236		
		Filing Date	October 28, 2003		
		First Named Inventor	CREDELLE, Thomas Lloyd		
		Art Unit	2629		
		Examiner Name	MOON, Seokyun		
Sheet	11	of	13	Attorney Docket Number	8831.0056-01

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		Krantz, John et al., Color Matrix Display Image Quality: The Effects of Luminance...SID 90 Digest, pp 29-32	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 1450.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/696,236
				Filing Date	October 28, 2003
				First Named Inventor	CREDELLE, Thomas Lloyd
				Art Unit	2629
Examiner Name	MOON, Seokyun				
Sheet	13	of	13	Attorney Docket Number	8831.0056-01

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		UPSTO, Final Office Action dated June 9, 2005 in US Patent Publication Number 2004/0246404 (US Serial No. 10/456,838, Attorney Docket No. 8831.0054)	
		Clairvoyante Inc, Response to Final Office Action dated December 5, 2005 in US Patent Publication Number 2004/0246404 (US Serial No. 10/456,838, Attorney Docket No. 8831.0054)	
		UPSTO, Non-Final Office Action dated March 20, 2006 in US Patent Publication Number 2004/0246404 (US Serial No. 10/456,838, Attorney Docket No. 8831.0054)	
		UPSTO, Non-Final Office Action dated March 20, 2006 in US Patent Publication Number 2004/0246280 (US Serial No. 10/456,839, Attorney Docket No. 8831.0056)	
		Clairvoyante Inc, Response to Non-Final Office Action dated June 20, 2006 in US Patent Publication Number 2004/0246280 (US Serial No. 10/456,839, Attorney Docket No. 8831.0056)	

Examiner Signature	Date Considered
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